	Exhibit P-	40, Budget Item Justific	cation Sheet			Date:		February 2004		
Appropriation / Budget Activity/ Procurement, Marine Corps (1:	Serial No: 109) / Communications and Electronics Ed	quipment (4)		P-1 Item Nomencla	iture:	FIR	E SUPPORT SYST	EMS		
Program Element: 0206211	IM Divisions (Marine)	Code:	Other Related Prog	ram Elements:						
	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty										
Gross Cost	3.6	33.4	28.2	10.2	2.2	0.0	0.0	0.0	0.0	74.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	3.6	33.4	28.2	10.2	2.2	0.0	0.0	0.0	0.0	74.0
Initial Spares		0.0	0.9	0.2	0.5	0.0	0.0	0.0	0.0	1.6
Total Proc Cost	3.6	33.4	29.1	10.4	2.7	0.0	0.0	0.0	0.0	65.2
Flyaway U/C										
Wpn Sys Proc U/C										

Target Location Designation and Hand-Off System (TLDHS) - Provides fire support observers/controllers (OCs) with the ability to: observe their area of interest, quickly and accurately locate ground targets, and digitally request and coordinate target engagements by Field Artillery (FA), Close Air Support (CAS), and Naval Surface Fire Support (NSFS). TLDHS will also provide the capability to designate targets for laser-guided munitions and laser spot trackers. TLDHS is comprised of and integrates two major subsystems: the Targeting Subsystem and the Target Hand-Off Subsystem (THS). USMC MS III was 2Q03.

Improved Position Azimuth Determination System (IPADS) - The IPADS is a High Mobility Multipurpose Wheeled Vehicle (HMMWV) mounted precision survey system. It will consist of an inertial navigation system and a digital communication device. The IPADS will employ current technology that will provide highly precise and accurate survey data passed through a digital link to artillery and target acquisition assets.

Mortar Ballistic Computer (MBC) - MBC will automate the computation of firing solutions and provide the Mortar Fire Direction Center with a capability to compensate for meteorological conditions and propellant temperature, thereby increasing the responsiveness and accuracy of mortar fires. It will provide the primary means by which mortar fire direction centers at the section and platoon levels convert requests for fire into appropriate firing data and fire commands. The MBC will replace the M16 and M19 plotting boards, and mortar and tabular firing tables.

Cost of War (COW) systems/equipment - Fire Support Systems were directed via Urgent Needs Statements (UNS) to procure several systems in support of Operation Enduring Freedom (OEF) / Operation Iraqi Freedom (OIF) during FY 2003. These equipment include the following: Forward Air Controller (FAC) Suite PRC-148 Radio, FAC Suite Ground Laser Target Designator (GLTD II), FAC Suite PRC-117 Radio, FAC Suite PVS-15 Radio, FAC Suites (InfraRed Marker), II Marine Liaison Element (MLE) Equipment, Leica Viper II, Provisional Mortar Ballistic Computer (PMBC), and PRC 117F/150 II MLE Equipment. These systems are designed to allow Forward Observers (FO) and Forward Air Controllers (FAC) to quickly locate ground targets and provide accurate firing data to Field Artillery and other Fire Support Systems.

Exhibit P-4	0a, Budg	get Iter	n Justification	for Aggregate	ed Items			Date:		February 2004	4	
Appropriation / Budget Activity	•					P-1 Item Nome	nclature:			-		
Procurement, Marine Corps (1109) / Com	munications a	nd Electron	ic Equipment (4)					FIRE	SUPPORT SYS	STEMS		
Procurement Items	Code	UOM	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
TLDHS	А	D	3.6	9.1	28.2	0.0	0.0	0.0	0.0	0.0	0.0	40.9
		Q										
LEICA VIPER II (COW)	Α	D	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
		Q										
IMPROVED POSITION AZIMUTH DETERMINATION												
SYSTEM	А	D	0.0	0.0	0.0	6.6	0.3	0.0	0.0	0.0	0.0	7.0
		Q										
MORTAR BALLISTIC COMPUTER	A	D	0.0	0.0	0.0	3.6	1.9	0.0	0.0	0.0	0.0	5.5
		Q										
FAC SUITE (PRC-148) (COW)	A	D	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
TAC COTTE (FRC-140) (COW)		Q	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
												1
FAC SUITE GLTD II (COW)	Α	D	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5
		Q										
FAC SUITE PRC-117 (COW)	Α	D	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
		Q										
FAC SUITE PVS-15 (COW)	A	D	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
·		Q										
FAC SUITES (IR MARKER) (COW)	Α	D	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
		Q										
II MI E EQUIDMENT (COM)	A	D	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
II MLE EQUIPMENT (COW)	A	Q	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
		•										
MORTAR BALLISTIC COMPUTER (COW)	Α	D	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
		Q										
PRC 117F/150 II MLE EQUIP (COW)	Α	D	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
		Q										

Exhibit	P-40, Budget I	tem Justific	ation Sheet			Date:		February 2004		
ial No:				P-1 Item Nomencla	ture:					
) / Communications and Electroni	cs Equipment (4)				IMPR	OVED POSITION A	ZIMUTH DETERMIN	IATION SYSTEM (I	PADS)	
		Code:	Other Related Prog	ram Elements:						
Divisions (Marine)		Α								
Prior Years		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
				27						
0.0		0.0	0.0	6.6	0.3	0.0	0.0	0.0	0.0	6.9
0.0		0.0	0.0	6.6	0.3	0.0	0.0	0.0	0.0	6.9
0.0		0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.6
0.0		0.0	0.0	6.7	0.8	0.0	0.0	0.0	0.0	7.5
)	al No: / Communications and Electroni Divisions (Marine) Prior Years 0.0 0.0 0.0	al No: / Communications and Electronics Equipment (4) Divisions (Marine) Prior Years 0.0 0.0 0.0	All No:	A No: Code: Other Related Programment (4) Code: Other Re	Code: Other Related Program Elements: A	A P-1 Item Nomenclature: Code:	A P-1 Item Nomenclature: Code:	A	P-1	P-1

IMPROVED POSITION AZIMUTH DETERMINATION SYSTEM (IPADS) - The IPADS is a High Mobility Multipurpose Wheeled Vehicle (HMMWV) mounted precision survey system. It will consist of an inertial navigation system and a digital communication device. The IPADS will employ current technology that will provide precise and accurate survey data passed through a digital link to artillery and target acquisition agencies.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	rps (1109) / Comr	nunications and Elec	ctronics		D POSITION AZIM		Weapon System	Туре:	Date: Feb	ruary 2004
Weapon System	ID		Equipment (4)		FY 03	DETERMIN	ATION SYSTEM (I	FY 04			FY 05	-
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
IPADS										5982	27	221550
Contractor Consulting Services Special Purpose Test Equipment Integrated Logistics Support Factory Training										242 350 68 5		
TOTAL IPADS										6647		
Total										6647		
Active Reserve										6647		

	Exhibit P-5a, Budget Procureme	nt History a	nd Planning					Date:	February 2	2004
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (11)	09) / Communications and Electronics Equipment (4)	Weapon Syste	em Type:			Nomenclatur ED POSITION	e: I AZIMUTH DETER	MINATION	N SYSTEM	(IPADS)
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs Avail?	Date Revsn Avail	RFP Issue Date
IPADS FY 05	TBD	FFP-IDIQ	TACOM-Rock Island Rock Island, IL	Mar-05	Dec-05	27	221550	No	No	TBD
REMARKS:										

Evhibit D 20	Doguiro	monto Ctud	,	Approriation/Budge	t Activity/Serial No:				Date:		
Exhibit P-20	, Require	nents Study	/	Procur	ement, Marine Corps	(1109) / Communication	s and Electronics Equi	ipment (4)		February 2004	
P-1 Line Item Nomencla	ature (Include DC	DIC for Ammunition	Items):		Admin Leadtime (at	fter Oct 1):			Prod Leadtime:		
IMPRO\	VED POSITION	AZIMUTH DETERMI	NATION SYSTEM (IF	PADS)							
Line Descriptions	s:	(Enter name of Sub	-BLI Item Here)		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Buy Summary							27				
Unit Cost							221.6				
Total Cost							5981.9				
Asset Dynamics											
Beginning Asse	et Position								27	27	2
Deliveries from	n:	FY 2004 Fu	ınding								
Deliveries from	1:	FY 2005 Fu	ınding					27			
Deliveries from	n:	FY 2006 Fu	ınding								
Deliveries from	n Subsequen	t Years Funds									
Other Gains											
Combat Losses	s										
Training Losse	s										
Test Losses											
Other Losses											
Disposals/Reti	rements/Attri	tions									
End of Year As	sset Position							27	27	27	2
Inventory Objectiv	e or Current	Authorized Allo	wance								
Inventory Ob	ojective	Actual -	Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
	27	Expen	ditures		sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for		thru		thru		thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 2004		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 2005		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX		<u> </u>		Inactive Inv	
Total:										Storage	

Remarks:

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COST ELEMENTS	F R	FY	E R V	Each	TO 1 OCT	AS OF 1 OCT	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	JUL	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
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